

REMARKS

The Examiner had previously rejected Claims 1-17 pursuant to 35 U.S.C. §102(b) as anticipated or, in the alternative, pursuant to 35 U.S.C. § 103(a) as being unpatentable for obviousness over U.S. Patent 5,847,246 [Hsu, et al.]; and maintained those rejections contrary to argument made by Applicants, finally rejecting the claims in an Action having an original DATE OF MAILING of January 2, 2003.¹ However, the Examiner clearly indicates that “[I]f the applicant would claim the polydimethylsiloxane on page 25 of the specification, he would overcome the prior art.” Applicants have requested the amendment of the various claims in accordance with the clear indication of the Examiner that the specific inclusion of polydimethylsiloxane as the silicone component of the heat transfer fluid will achieve patentability of the invention over the Applicants’ prior patent used as a reference. Thus, Applicants respectfully traverse the stated rejections for the following reasons.

The claims have been amended to include the specific limitation of restricting the “silicone component” of the heat transfer fluid to a single constituent, i.e. polydimethylsiloxane. Claim 1 now recites the complimentary proportion al amount of at least one terpene in combination with polydimethylsiloxane (as the silicone component) of the heat transfer fluid to achieve the maintaining of the liquid phase of the composition to a temperature of -200°F. The sole patent reference, ‘246 Hsu, et al., does not recite, or even suggest that silicone could be utilized in the low temperature heat transfer fluid composition as a component with a terpene to achieve the maintaining of the liquid phase of the composition to a temperature of -200°F. Thus, any possible teaching of the cited patent reference is overcome by the novel and unobvious inclusion in the composition of a low viscosity silicone, i.e. polydimethylsiloxane.

¹ The Action was not received by Applicants’ attorney until April 7, 2003 after being remailed.

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In addition to the requested amendment to Claim 1, Applicants have similarly amended Claims 7, 8, 10 and 17 to reflect the limitation of the silicone component to only polydimethylsiloxane as the complimentary component to the terpene in the low temperature heat transfer fluid of the present invention. In view of these amendments, Applicant submits that Claim 1 now recites a novel composition of matter functioning in a novel and non-obvious manner, that Claim 10 recites a novel and non-obvious process, and that the remaining dependent claims, Claims 2-9 and 11-17 recite additional novel and non-obvious compositions of matter through the interchange of components and the limitations of viscosity.

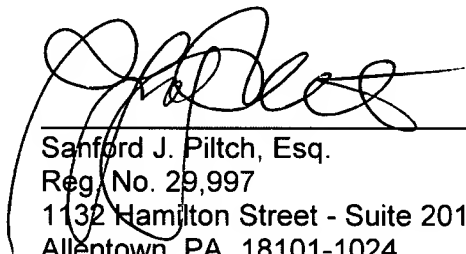
For the reasons set forth above, entry of each of the amendments is respectfully requested. In view of the amendments and the foregoing argument concerning the correctness and applicability of the grounds of rejection set forth by the Examiner in the most recent Office Action, favorable reconsideration of this application and an early NOTICE OF ALLOWANCE is earnestly solicited.

Respectfully submitted,

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DATE: June 30, 2003

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CERTIFICATE OF MAILING

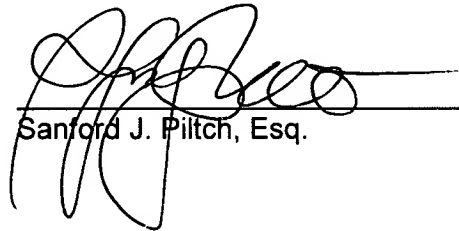
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